



Justrite Safety Group

### 526 Sani-Flex™

Antimicrobial and Antibacterial nonsheeding anti-fatigue mat in bright blue or gray that is easy to see and clean and does not harbor bacteria or food particles. Stays in place, does not shift or slide in dry environments.

#### **ASTM E2149 – Antimicrobial Testing**

ASTM E2149 Standard Test Method for Determining the Antimicrobial Activity of Immobilized Antimicrobial Agents Under Dynamic Contact Conditions

#### **Test Description**

ASTM 2149-12 was used to quantitatively assess the antibacterial activity of the samples. The challenge bacteria specified was E. coli 25922. The contact time specified was 24 hours.

#### **Test Results**

Avg. 0 hr Control CFU	Avg. 24 hr Treated CFU	Log Reduction	Percent Reduction
3.0x10 <sup>5</sup>	1.0x10 <sup>2</sup>	3.47	99.97

Under these conditions, the sample yielded 3 logs (99.97%) when challenged against E. coli.

#### **ASTM G21 – Antimicrobial Testing**

ASTM G21 standard Practice for Determining Resistance of Synthetic Polymers to Fungi

#### **Test Description**

This practice covers determination of the effect of fungi on the properties of synthetic polymeric materials in the form of molded and fabricated articles, tubes, rods, sheets, and film materials. ASTM G21 was used to assess each sample against a mixed fungal spore inoculum. Samples were reviewed weekly for 28 days.

#### **Test Results**

Sample Identification	Day 7	Day 14	Day 21	Day 28
Blue Rubber Mat/526 NBR	0/0/0	0/0/0	0/0/0	0/0/0
Nutritive pos control	4	4	4	4

The rating scale for this test is as follows:

Rating	Observed Growth
0	No Fungal Growth on Sample
1	Trace of Growth (less than 10% coverage)
2	Light Growth (10-30% coverage)
3	Medium Growth (30-60% coverage)
4	Heavy Growth (60-100% coverage)